Addendum Number 1

August 30, 2021

Cottonwood Ranch Recapture Well Network
Bid #1 Well Drilling, Pump Installation, and Electrical Supply
Bid #2 Pipeline and Outfall Structures

Notice to Prospective Bidders: this Addendum applies to both sets of bid documents (Bid #1 Well Drilling and Pump Installation and Bid #2 Pipeline and Outfall Structure). The addendum includes:

1. The clarifications/modifications included below.

2. Revised bid forms with changes in pipeline diameter and acknowledgement of addenda.

3. Revised Figure 1a

4. Estimated alignment profiles.

The items in the bid documents are clarified/modified as follows:

1. Contractors must acknowledge receipt of this bid addendum on the new bid forms.

2. Bidders will post a 5% bid bond. Bidders will also supply performance and payment bonds, each for the total value of the bid amount.

3. Use of a bucket auger rig for drilling of the wells is acceptable, provided Contractor is able to maintain clean hole and stable hole conditions.

4. Tri-Basin Natural Resources District (TBNRD) anticipates they will be able to issue a notice of award within one week of bid opening, but not more than 14 calendar days after bid opening. The TBNRD Board of Directors will select successful bidders on September 14, 2021, at the TBNRD board meeting.

5. TBNRD will obtain permits to construct the wells.

6. The Contractor will be responsible for the Stormwater Pollution Prevention Plan and any erosion control permits that may be required. Contractor should include the cost for obtaining these permits, and the cost of needed measures (i.e., silt fence, etc.) in the cost for mobilization.

7. Installing, maintaining and removal of erosion control per the SWPPP such as silt fencing shall be at the Contractor's expense, and included in the cost of mobilization.

8. USACOE permits have been applied for however they have not yet been received. The pipeline contract cannot proceed until such time as USACOE permits are received, however the well construction contract may proceed.

9. Bid #1, Section 11 (Submersible Turbine Pumps), Part 2 (Materials), the required TDH is changed from 60 feet to 90 feet. The pump discharge rate is changed from 1,200 gallons per minute (gpm) to 1,000 gpm; however, the Contractor should base his bid on furnishing 40 horsepower motors and associated electrical. As noted in the specifications, the final performance characteristics of the pumps to be furnished will be determined once the short-term testing of all wells has been completed.

10. On Figure 1a of Bid #2 (Pipeline and Outfall Structures), the pipeline connecting Wells 2 and 3 should be 12-inch diameter, not 8-inch diameter. Ten-inch diameter pipe replaces eight-inch diameter pipe everywhere but at Well #7. The pipes running from Wells #3 and #5 to the river shall be a minimum of 14-inch diameter; however, Contractor may substitute 16-inch diameter for these 14-inch diameter runs of pipe. A revised Figure 1a and bid sheet is included with this Addendum.

11. Contractor may obtain water for use in drilling from an existing irrigation well on property owned by the Platte River Recovery Implementation Program. Well is accessed from a driveway on the north side of 747 Rd between I Rd and H Rd, very near the half mile fence separating in SW and SW 1/4s of Section 16 (Figure 1a). The well is equipped with a pump and is connected to a power supply. Contractor will be responsible for making any modifications to the piping that are needed for using the well and shall restore the plumbing to its original condition at the conclusion of the project. Contractor may request a visit to the well site in advance of the bid due date to inspect the plumbing. Contractor may, at his own expense and with the appropriate permits, drill a temporary supply well adjacent to one of the wells to be constructed for water supply use during this project, provided the well is properly permitted and decommissioned at the conclusion of the project.

12. Contractor may not excavate pits as a means for obtaining a water supply.

13. Contractor may substitute ASTM A53 steel 0.322” wall for PVC pump column pipe.

14. TBNRD will arrange for tree removal in advance of the pipeline work.

15. Some deviations in pipeline alignments may be permitted, subject to approval of the Owner’s Representative at the time of construction.

16. Only 160# pressure class pipe will be allowed.

17. The Bid shall include 0.085 screen slot size screen.

18. Contractor shall be responsible for reseeding of all disturbed areas using a native grass mix design approved by TBNRD. The contractor shall purchase and install the seed. Related, contractor may disturb a 30-foot corridor around pipeline centerline (i.e., to be used for side casting, temporarily storing materials, etc.) but must keep disturbances to a minimum. All disturbed areas must be reseeded. Reseeding may also be necessary in 1-acre staging area.

19. The wells will be developed using a temporary pump capable of producing not less than 1,200 gallons per minute. The pump will be operated in such a way as to surge the wells (rawhiding).

20. Contractor shall use a cohesive soil in the construction of the well pad. Drill cuttings may be used to augment needed cohesive soil. The cohesive soil shall be supplied by the Contractor.

21. Pipelines shall be buried such that there is a minimum cover of 3 feet, unless waived for specific locations by the Owner's Representative during construction. Contractor shall be responsible for any dewatering that may be required during the course of pipeline installation. Approximate pipeline alignments and bury elevations are provided. These are estimates only and will be finalized with the selected contractor.

22. No special bedding of the pipeline is required. Contractor will use native soils removed during excavation of the trench for bedding and backfilling.

23. Buried pipeline fittings may be ductile iron, PVC, or steel, provided their pressure ratings are greater than or equal to that of the pipeline and they are secured with sufficient thrust blocks.

24. TBNRD will stake elevations along the pipeline alignments and at the discharge structures.

25. The fabricated standpipe includes a 16-inch diameter tank with air release and pressure release on top, as manufactured by ACE Manufacturing located in Kearney, or approved equal. The tank is made from 10 gauge steel and may be powder coated or galvanized. The tank is 6-feet tall and will be buried to a depth of 4 feet.

26. The discharge structure at Well 7 will be made up of broken concrete rip-rap covering an area measuring approximately 6 feet by 10 feet by 6-inches deep, extending from the discharge pipe downslope to prevent erosion of the walls of the channel into which the well is discharging. The rip-rap does not need to be grouted, and no stabilizing anchors are required at the Well 7 location. The final 20 feet of discharge pipe shall be schedule 40 steel pipe. The outlet of the steel pipe shall covered with welded steel bars not less than 3/8 inches in diameter with openings no larger than 2-inches square, welded to, and covering the outlet of the discharge pipe.